



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

47069      7590      08/05/2010

KONRAD RAYNES & VICTOR, LLP  
ATTN: IBM54  
315 SOUTH BEVERLY DRIVE, SUITE 210  
BEVERLY HILLS, CA 90212

EXAMINER	
NGUYEN, DUSTIN	
ART UNIT	PAPER NUMBER
2454	
DATE MAILED: 08/05/2010	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,289	06/10/2005	Michiaki Tatsubori	JP920020206US1	9237

TITLE OF INVENTION: WEB SERVICE PROVIDING SYSTEM, SERVER DEVICE FOR THE SAME, CONTROL METHOD FOR CONTROLLING COMPUTER SYSTEM AS SERVER DEVICE FOR WEB SERVICE PROVIDING SYSTEM, PROGRAM FOR EXECUTING THE CONTROL METHOD, AND RECORDING MEDIUM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/05/2010

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

**HOW TO REPLY TO THIS NOTICE:****I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

**II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.**

**III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.**

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

47069      7590      08/05/2010

KONRAD RAYNES & VICTOR, LLP  
ATTN: IBM54  
315 SOUTH BEVERLY DRIVE, SUITE 210  
BEVERLY HILLS, CA 90212

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

### **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,289	06/10/2005	Michiaki Tatsumori	JP920020206US1	9237

TITLE OF INVENTION: WEB SERVICE PROVIDING SYSTEM, SERVER DEVICE FOR THE SAME, CONTROL METHOD FOR CONTROLLING COMPUTER SYSTEM AS SERVER DEVICE FOR WEB SERVICE PROVIDING SYSTEM, PROGRAM FOR EXECUTING THE CONTROL METHOD, AND RECORDING MEDIUM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/05/2010
EXAMINER	ART UNIT	CLASS-SUBCLASS				
NGUYEN, DUSTIN		2454	709-223000			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list  
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 \_\_\_\_\_  
2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are submitted:

- Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,289	06/10/2005	Michiaki Tatsubori	JP920020206US1	9237
47069	7590	08/05/2010	EXAMINER	
KONRAD RAYNES & VICTOR, LLP ATTN: IBM54 315 SOUTH BEVERLY DRIVE, SUITE 210 BEVERLY HILLS, CA 90212				NGUYEN, DUSTIN
ART UNIT		PAPER NUMBER		
2454				DATE MAILED: 08/05/2010

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 429 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 429 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/538,289	TATSUBORI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	DUSTIN NGUYEN	2454	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 07/15/2010.
2.  The allowed claim(s) is/are 31, 32, 30-47, 50-56, 59-64, now renumbered as 1-23.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

/DUSTIN NGUYEN/  
Primary Examiner, Art Unit 2454

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicants' attorney, Mr. David Victor, on 07/28/2010.

Please amend the claims as follows:

31. (Currently Amended) A method, comprising:

receiving a call request from a user to execute an object;

determining an access authority for the user;

acquiring an object access authority set for the object indicating access authorities for methods called by the object;

comparing the user access authority and the object access authority set to determine whether the user access authority permits access to the methods called by the object; **and**

Art Unit: 2454

searching a storage section storing execution results for a previous execution of the object prior to executing the call request and in response to determining that the user access authority permits access to the methods called by the object;

transmitting the execution results for the previous execution of the object prior to executing the call request with respect to the object in response to determining that the storage section stores the execution results for the previous execution of the object subject to the call request; and

passing the call request to an object executor in response to determining that the storage section does not store execution results for the previous execution of the object subject to the call request.

33. (Cancelled)

34. (Cancelled)

44. (Currently Amended) The method of claim 34\_31, further comprising:

storing execution results from the object executor in response to executing the object of the call request with the access authority set for the object and an object name.

Art Unit: 2454

45. (Currently Amended) The method of claim 3431, further comprising:

returning the execution results to the user having user access authority permitting access to the object.

47. (Currently Amended) A system for providing services, comprising:

a computer;

a storage section storing execution results for a previous execution of objects; code executed by the computer to perform operations, the operations comprising:

receiving a call request from a user to execute an object;

determining an access authority for the user;

acquiring an object access authority set for the object indicating access authorities for methods called by the object;

comparing the user access authority and the object access authority set to determine whether the user access authority permits access to the methods called by the object; ~~and~~

searching a storage section storing execution results for a previous execution of the object prior to executing the call request and in response to determining that the user access authority permits access to the methods called by the object;

transmitting the execution results for the previous execution of the object prior to executing the call request with respect to the object in response to determining that the storage section stores the execution results for the previous execution of the object subject to the call request; and

passing the call request to an object executor in response to determining that the storage section does not store execution results for the previous execution of the object subject to the call request.

48. (Cancelled)

49. (Cancelled)

54. (Currently Amended) The system of claim 49 47, wherein the operations further comprise:

storing execution results from the object executor in response to executing the object of the call request with the access authority set for the object and an object name.

56. (Currently Amended) A computer readable storage recording medium including instructions that when executed cause a computer to interact with a storage section and to perform operations comprising:

receiving a call request from a user to execute an object;

determining an access authority for the user;

acquiring an object access authority set for the object indicating access authorities for methods called by the object;

comparing the user access authority and the object access authority set to determine whether the user access authority permits access to the methods called by the object; and searching a storage section storing execution results for a previous execution of the object prior to executing the call request and in response to determining that the user access authority permits access to the methods called by the object;

transmitting the execution results for the previous execution of the object prior to executing the call request with respect to the object in response to determining that the storage section stores the execution results for the previous execution of the object subject to the call request; and

passing the call request to an object executor in response to determining that the storage section does not store execution results for the previous execution of the object subject to the call request.

57. (Cancelled)

58. (Cancelled)

59. (Currently Amended) The computer readable storage recording medium of claim 56, further comprising:

determining methods called by the object;

determining an access authority for each determined method;

generating the object access authority set to comprise the determined access authorities of the determined methods, wherein the object access authority set indicates access authorities needed to execute the determined methods.

60. (Currently Amended) The computer readable ~~storage~~ recording medium of claim 59, wherein determining the access authority for each determined method calling additional methods comprises:

determining the access authorities of the additional methods called by the method, wherein the object access authority set for the method additionally includes the determined access authorities of the additional methods called by the method.

61. (Currently Amended) The computer readable ~~storage~~ recording medium of claim 59, wherein access to the execution results is not granted to the user if the access authority for one determined method is unknown.

62. (Currently Amended) The computer readable ~~storage~~ recording medium of claim 61, wherein the object is executed even if access to the execution results is not granted.

63. (Currently Amended) The computer readable ~~storage~~ recording medium of claim 58, further comprising:

storing execution results from the object executor in response to executing the object of the call request with the access authority set for the object and an object name.

64. (Currently Amended) The computer readable ~~storage~~ recording medium of claim 56, further comprising:

receiving a subsequent call request for the object from the user;

returning the execution results to the user in response to determining that the execution results are associated with the user without comparing the user access control to the object access authority.

2. The following is an examiner's statement of reasons for allowance:

Applicants' arguments filed on 07/15/2010 are persuasive, and the prior art, in combination or individual, fails to teach or suggest the method or system including receiving a call request from a user to execute an object; determining an access authority for the user; acquiring an object access authority set for the object indicating access authorities for methods called by the object; comparing the user access authority and the object access authority set to

determine whether the user access authority permits access to the methods called by the object; searching a storage section storing execution results for a previous execution of the object prior to executing the call request and in response to determining that the user access authority permits access to the methods called by the object; transmitting the execution results for the previous execution of the object prior to executing the call request with respect to the object in response to determining that the storage section stores the execution results for the previous execution of the object subject to the call request; and passing the call request to an object executor in response to determining that the storage section does not store execution results for the previous execution of the object subject to the call request (supported in specification pages 18 and 19, and Figures 4 and 5).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DUSTIN NGUYEN whose telephone number is (571)272-3971. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on 571-272-1519. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DUSTIN NGUYEN/  
Primary Examiner, Art Unit 2454